



WATER BOOSTER KIT 8855 & 8755

INSTALLATION INSTRUCTIONS

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The products, technical information, and instructions contained in this manual are subject to change without notice.

These instructions are not intended to cover all details or variations of the equipment, nor to provide for every possible contingency in the installation, operation or maintenance of this equipment. This manual assumes that the person(s) working on the equipment have been trained and are skilled in working with electrical, plumbing, pneumatic, and mechanical equipment. It is assumed that appropriate safety precautions are taken and that all local safety and construction requirements are being met, in addition to the information contained in this manual.

This Product is warranted only as provided in Cornelius' Commercial Warranty applicable to this Product and is subject to all of the restrictions and limitations contained in the Commercial Warranty.

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Contact Information:

To inquire about current revisions of this and other documentation or for assistance with any Cornelius product contact:

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800-238-3600

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This document contains the original instructions for the unit described.

CORNELIUS INC
101 Regency Drive
Glendale Heights, IL
Tel: + 1 800-238-3600

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SAFETY INSTRUCTIONS

TO THE USERS OF THIS MANUAL

This manual is a guide for installing this equipment. This unit contains no user serviceable parts.

SAFETY



WARNING:

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

Failure to comply could result in serious injury, death or damage to the equipment.

QUALIFIED SERVICE PERSONNEL



WARNING:

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.

SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:



WARNING:

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.



CAUTION:

Always be sure to keep area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

INSTALLATION INSTRUCTIONS

UNIT DESCRIPTION

The water booster is part of back room package and is installed either on top of the existing back room panel or on the wall next to the back room stand. The purpose of the unit is to boost the potable water through the filter system to maintain constant pressure throughout the beverage equipment in a restaurant. The water pump has a liquid check valve on its outlet to prevent the back flow of water. A pressure switch is used to regulate the water pressure throughout the system. A water booster tank is used to store water under pressure. A surge tank is also a storage for filtered water and to absorb water pressure spikes in the system.

UNPACKING

Unpack **LOOSE-SHIPPED PARTS**. Make sure items are present and in good condition.

Table 1. Loose-Shipped Parts

Item No.	Part No.	Name	Qty.
1	311304000	Tapered Gasket, Black	1
2	8737	Barbed Fitting	2
3	300551000	Clamp, Oetiker# 14.0	4
4	1992	End Cap, Square	2
5	1986	Connector Plastic	2
6	320940000	Screw #10	3
7	8865	Bracket, Fronts	1
8	560001440	Bracket, Wall Mount	2
9	8987	Wood Screw	6
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IDENTIFICATION OF LOOSE SHIPPED PARTS

1. Tapered Gasket, Black (item 1) used to seal connection when connecting line from surge tank to manifold on the back room panel.
2. Barbed Fitting (item 2) used to replace the flare fittings on connections B and C of back room panel filters so that the 3/8" line can be inserted into the barbed fittings.
3. Oetiker Clamps (item 3) used to clamp the tubing onto barbed fittings on connections B and C.
4. Square end cap (item 4) used to seal the bottom of the frame if the unit is installed on the wall. Used for back room stand applications only.
5. Connector plastic (item 5) used to connect the unit onto the back room panel frame if the unit is installed onto the back room panel frame.
6. Screw #10 (item 6) used to attach front bracket (item 7) and the uprights of the unit onto the back room panel on both sides.
7. Front bracket (item 7) used to support the front part of the unit onto the back room panel.
8. Wall mount bracket (item 9) used to hang the unit on the wall, on back room stand applications only.
9. Wood screw (item 10) used to fasten the brackets (item 9) on the wall.

SELECTING LOCATION



CAUTION:

This unit must not be installed or used outdoors where it will be exposed to the elements.

Locate the unit on the back room panel or on a wall along stand close to properly grounded electrical outlet with proper electrical requirements fused at 15-amps (slow-blow). For accessibility, the electrical outlet must not be located behind the unit.

Locate the unit close to the back room stand so that the water pressure will not be affected by pressure drop through the line. Water lines from back room panel or stand should be 3/8" I.D. (minimum), food-grade plastic.

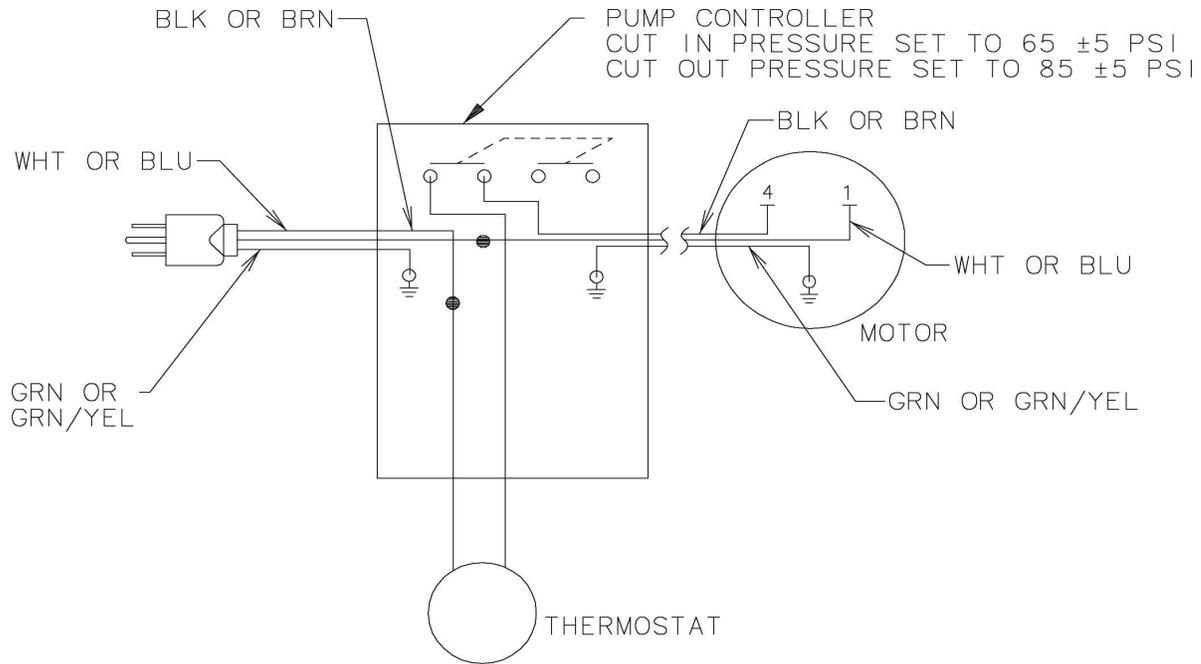


Figure 1. Wiring Diagram

Two methods of Installation:

A. On Back Room Panel

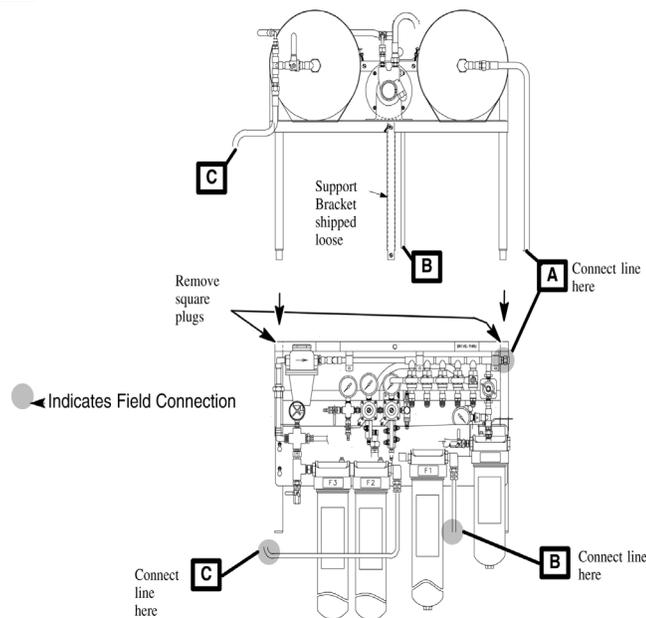


Figure 2.

B. On Wall

1. Mounting Water Booster Brackets.

The panel attaches to the wall with the two brackets (item 9) supplied. The bracket must be attached to wall studs with the 3" dry wall screws (item 10) provided. The width of the panel will accommodate wall stud spacing of 16 or 24 inches on center.

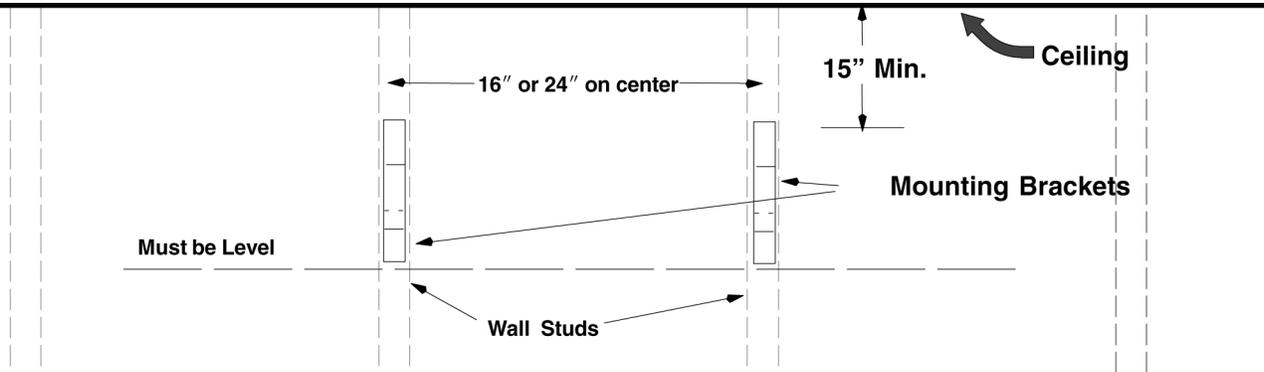


Figure 3.

2. Water Pressure Booster Placement.

After brackets are mounted on the wall as shown, the shelf can be lifted into place. Lifting of the shelf will require 2 persons.

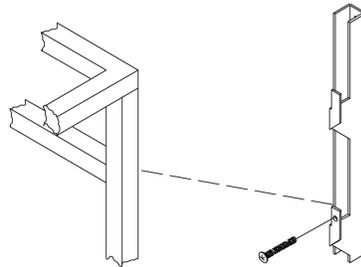


Figure 4.

After the panel is in place drill a hole into the frame using the hole in the bracket as a guide. Secure shelf to the brackets. Only one screw is needed. Connect all lines as indicated in the Connection Diagram. Use a gasket (item 1) on connection A and 4 clamps (item 3) on Connections B and C. Discard front bracket (item 7) as it is not needed. Insert end cap (item 4) onto the bottom of the uprights.

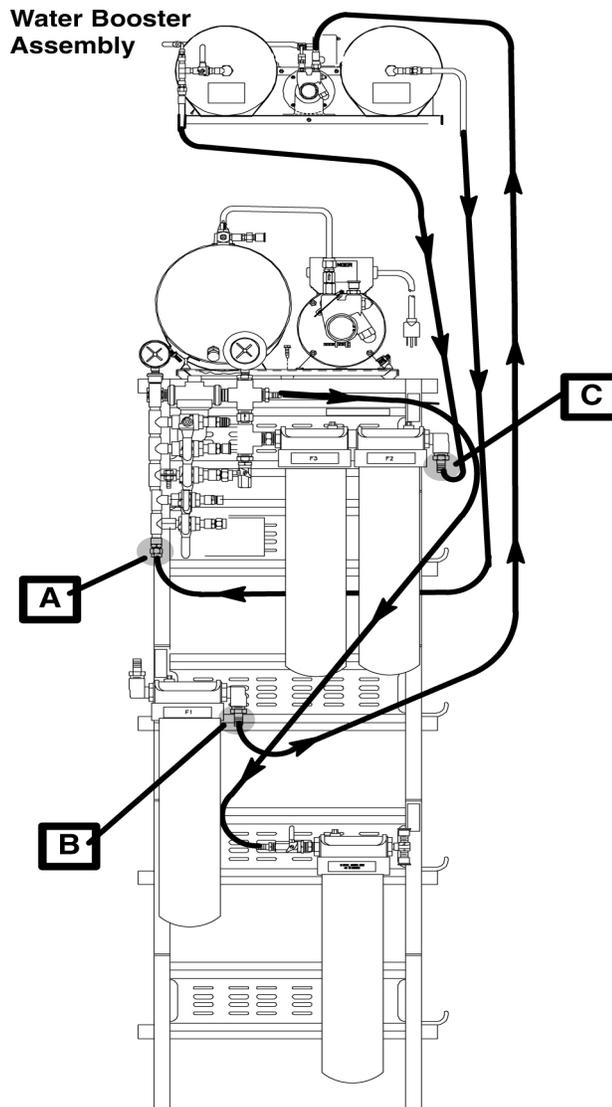


Figure 5.

UNIT OPERATION

WARNING:

This unit must be grounded to avoid possible electrical shock to the operator. The unit power cord is equipped with a three pronged plug. If a three pronged (grounded) outlet is not available use an appropriate method to ground the unit.

Failure to comply could result in serious injury, death or damage to the equipment.

1. Connect the electrical power to the unit. The water pump will start and fill the tanks and filter system with filtered water. The water pump will stop when the pressure is satisfied.
2. Check for water leaks and tighten any loose connections.



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